November 15,2002

Re: Arvin Meritor-QRI 063-16214-00046

TO: Interested Parties / Applicant

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

November 15, 2002

Mr. Brian Cavagnini
Arvin Meritor -QRI
849 Whitaker Road
Plainfield, Indiana 46168

Re: 063-16214
2nd Notice-only change to
MSOP 063-11118-00046

Dear Mr. Cavagnini:

Arvin Meritor -QRI was issued a Minor Source Operating Permit (MSOP) on October 10, 1999 for an aftermarket heavy duty truck remanufacturer. A letter notifying the Office of Air Quality of a change was received on October 10, 2001. The change qualifies as a Notice-Only Change, since the change involves the "addition of an emission unit of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission unit or units, except if the modification would result in a potential to emit greater than the thresholds in 326 IAC 2-2 or 2-3". Therefore, pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows (changes are **bolded** and deletions are ~~struck-through~~ for emphasis):

(a) Installation of one (1) new 12 cubic feet (ft^3) pangborn rotoblast, barrel abrasive blasting unit #4, identified PL-126 with a maximum parts throughput capacity of 4680 pounds per hour, utilizing steel shot. The shot is continuously recirculated with a maximum net shot consumption rate of 10 pounds per hour. This blast unit is controlled by a new dust collector, identified as DC-6, venting inside the building.

(b) Installation of one (1) new dust collector, identified as DC-6 to replace the individual dust collector on two (2) existing tumble blaster units (PL-124 and PL-125). This dust collector, DC-6 will be common to PL-124, PL-125 and PL-126.

1. Item (h), Section A.2 Emissions Units and Pollution Control Equipment Summary will be revised to add the new blasting unit and to reflect the new dust collector configuration:

(h) **Blasting Operation:**
~~Three (3) tumblast finishing units, identified as PL-123, PL-124, and PL-125, each with a maximum capacity of 660 pounds per hour. Each tumblast unit is equipped with a baghouse to control emissions of particulate matter. The baghouses exhaust inside the building.~~

(1) One (1) new 12 cubic feet (ft^3) pangborn rotoblast, barrel abrasive blasting unit #4, identified PL-126 with a maximum parts throughput capacity of 4680 pounds per hour, utilizing steel shot. The shot is continuously recirculated with a maximum net shot consumption rate of 10 pounds per hour. This blast unit is controlled by a new dust collector, identified as DC-6, venting inside the building.

(2) Two (2) tumblast finishing units, identified as PL-124, and PL-125, each with a maximum capacity of 1980 pounds per hour. These tumblast finishing units will be both controlled by the new dust collector, identified as DC-6, venting inside the building.

(3) One (1) tumblast finishing unit, identified as PL-123 with a maximum capacity of 1980 pounds per hour, controlled by a dedicated dust collector, identified as DC-5, venting inside the building.

2. Section D.1 will be revised to reflect the changes to item (h) as follows:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions unit Description

(a) One (1) sandblast wheelabrator, identified as PL-104, with a maximum capacity of one hundred (100) pounds per hour, using a baghouse as control, and exhausting inside the building.

(b) One (1) spinblast wheelabrator, identified as PL-101, with a maximum capacity of twenty-one hundred (2,100) pounds per hour, using a mpf cartridge collector as control, and exhausting inside the building.

(c) One (1) tumblast wheelabrator, identified as PL-100, with a maximum capacity of six hundred sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.

(d) One (1) tumblast wheelabrator, identified as PL-118, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.

(h) **Blasting Operation:**
~~Three (3) tumblast finishing units, identified as PL-123, PL-124, and PL-125, each with a maximum capacity of 660 pounds per hour. Each tumblast unit is equipped with a baghouse to control emissions of particulate matter. The baghouses exhaust inside the building.~~

(1) One (1) new 12 cubic feet (ft^3) pangborn rotoblast, barrel abrasive blasting unit #4, identified PL-126 with a maximum parts throughput capacity of 4680 pounds per hour, utilizing steel shot. The shot is continuously recirculated with a maximum net shot consumption rate of 10 pounds per hour. This blast unit is controlled by a new dust collector, identified as DC-6, venting inside the building.

(2) Two (2) tumblast finishing units, identified as PL-124, and PL-125, each with a maximum capacity of 1980 pounds per hour. These tumblast finishing units will be both controlled by the new dust collector, identified as DC-6, venting inside the building.

(3) One (1) tumblast finishing unit, identified as PL-123 with a maximum capacity of 1980 pounds per hour, controlled by a dedicated dust collector, identified as DC-5, venting inside the building.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards

D.1.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the shotblasting facilities shall ~~not exceed 8.07 pounds per hour~~ **be limited as follows:**

Facility/ID	Process Weight Rate (ton/hour)	Particulate Emission Limits (Pound/hour)
PL-124, PL 125 and PL-126 venting to dust collector DC-6	**4.32**	**10.9 combined**
PL-123, venting to dust collector DC-5	**0.99**	**4.07**

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where: E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Aida De Guzman, at (800) 451-6027, press 0 and ask for Aida De Guzman or extension (3-4972), or dial (317) 233-4972.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
APD
cc: File - Hendricks County
U.S. EPA, Region V
Hendricks County Health Department
Air Compliance Section Inspector - Jim Thorpe
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

Arvin Meritor - QRI
849 Whitaker Road
Plainfield, Indiana 46168

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 063-11118-00046	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: October 10, 1999

First Notice-Only Change: 063-12519, issued on September 5, 2000
First Significant Permit Revision: 063-13938, issued on August 20, 2001

Second Notice-Only Change: 063-16214	Pages Affected: 5, 15, 16
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: November 15, 2002

(g) One (1) bake-off oven, identified as PL-110, with a maximum capacity of one-half (0.5) million British thermal units (MMBtu) per hour, exhausting through one (1) stack identified as S-9. The oven is equipped with an integral secondary combustion chamber.

(h) Blasting Operation:

(1) One (1) new 12 cubic feet (ft^3) pangborn rotoblast, barrel abrasive blasting unit #4, identified PL-126 with a maximum parts throughput capacity of 4680 pounds per hour, utilizing steel shot. The shot is continuously recirculated with a maximum net shot consumption rate of 10 pounds per hour. This blast unit is controlled by a new dust collector, identified as DC-6, venting inside the building.

(2) Two (2) tumblast finishing units, identified as PL-124, and PL-125, each with a maximum capacity of 1980 pounds per hour. These tumblast finishing units will be both controlled by the new dust collector, identified as DC-6, venting inside the building.

(3) One (1) tumblast finishing unit, identified as PL-123 with a maximum capacity of 1980 pounds per hour, controlled by a dedicated dust collector, identified as DC-5, venting inside the building.

(i) One (1) natural gas-fired dryer, identified as PL-121B, with a maximum capacity of 500,000 Btu per hour. This emission unit exhausts at stack PL-121B.

(j) One (1) aqueous washer, identified as PL-122, using only water and detergents and employing two natural gas-fired tube heaters with a maximum combined capacity of 900,000 Btu per hour. This emission unit exhausts at stack PL-122.

(k) One (1) dip coating booth, identified as PL-121A, with a maximum capacity of 750 metal brake shoes per hour, and emissions exhausted through stack PL-121A.

(l) One (1) spray paint booth (identified as PB-1) equipped with two (2) HVLP spray guns, for metal heavy duty truck parts, with a maximum capacity of forty (40) transmission units per hour, dry filters for overspray control and exhausting at stack S-13.

(m) One (1) natural gas-fired Proceco aqueous core washer, identified as PL-106, using only water and detergents, with a maximum heat input capacity of 900,000 Btu per hour. This emission unit exhausts at stack PL-106.

(n) One (1) natural gas-fired Mart aqueous parts washer, identified as PL-105, using only water and detergents, with a maximum heat input capacity of 500,000 Btu per hour. This emission unit exhausts at stack PL-105.

(o) One (1) natural gas-fired Mart aqueous tornado parts washer, identified as PL-107, using only water and detergents, with a maximum heat input capacity of 500,000 Btu per hour. This emission unit exhausts at stack PL-107.

(p) One (1) natural gas-fired Hotsy aqueous parts washer, identified as PL-108, using only water and detergents, with a maximum heat input capacity of 500,000 Btu per hour. This emission unit exhausts at stack PL-108.

(q) One (1) natural gas-fired New Wash aqueous clutch washer, identified as PL-109, using only water and detergents, with a maximum heat input capacity of 500,000 Btu per hour. This emission unit exhausts at stack PL-109.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions unit Description

(a) One (1) sandblast wheelabrator, identified as PL-104, with a maximum capacity of one hundred (100) pounds per hour, using a baghouse as control, and exhausting inside the building.

(b) One (1) spinblast wheelabrator, identified as PL-101, with a maximum capacity of twenty-one hundred (2,100) pounds per hour, using a mpf cartridge collector as control, and exhausting inside the building.

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(d) One (1) tumblast wheelabrator, identified as PL-118, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.

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(1) One (1) new 12 cubic feet (ft^3) pangborn rotoblast, barrel abrasive blasting unit #4, identified PL-126 with a maximum parts throughput capacity of 4680 pounds per hour, utilizing steel shot. The shot is continuously recirculated with a maximum net shot consumption rate of 10 pounds per hour. This blast unit is controlled by a new dust collector, identified as DC-6, venting inside the building.

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(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards

D.1.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the shotblasting facilities shall be limited as follows:

Facility/ID	Process Weight Rate (ton/hour)	Particulate Emission Limits (Pound/hour)
PL-124, PL 125 and PL-126 venting to dust collector DC-6	4.32	10.9 combined
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The pounds per hour limitation was calculated with the following equation:

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Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

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P = process weight rate in tons per hour

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM , compliance with the PM limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.3 Particulate Matter (PM)

The baghouses and the mpf cartridge collector for PM control shall be in operation at all times when the shotblast machines are in operation.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.4 Baghouse/Cartridge Inspections

An inspection shall be performed each calender quarter of all bags/cartridges controlling the blast cleaning operation when venting to the atmosphere. A baghouse/cartridge inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags/cartridges shall be replaced.

D.1.5 Broken or Failed Bag/Cartridge Detection

In the event that bag/cartridge failure has been observed:

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section C - Malfunction Provisions).

(b) For single compartment baghouses/cartridges, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section C - Malfunction Provisions).